

**Table J2. - Chemical Properties of the Soils**

Fayette and Raleigh Counties, West Virginia

Absence of an entry indicates that data were not estimated.

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsym	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
Ad:								
Fluvaquents	0-6	---	---	3.6 - 7.3	---	---	---	---
	6-42	---	---	3.6 - 7.3	---	---	---	---
	42-60	---	---	4.5 - 6.5	---	---	---	---
Atkins	---	---	---	---	---	---	---	---
As:								
Ashton	0-10	---	---	5.6 - 7.3	---	---	---	---
	10-48	---	---	5.6 - 7.3	---	---	---	---
	48-60	---	---	5.6 - 7.3	---	---	---	---
At:								
Atkins	0-10	---	---	4.5 - 5.5	---	---	---	---
	10-34	---	---	4.5 - 5.5	---	---	---	---
	34-55	---	---	4.5 - 5.5	---	---	---	---
Br:								
Brinkerton	0-8	---	---	4.5 - 6.0	---	---	---	---
	8-25	---	---	4.5 - 6.0	---	---	---	---
	25-47	---	---	4.5 - 6.0	---	---	---	---
	47-54	---	---	5.1 - 6.5	---	---	---	---
CaC:								
Calvin	0-6	---	---	4.5 - 6.0	---	---	---	---
	6-21	---	---	4.5 - 6.0	---	---	---	---
	21-24	---	---	4.5 - 6.0	---	---	---	---
	24-28	---	---	---	---	---	---	---
Gilpin	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-22	---	---	3.6 - 5.5	---	---	---	---
	22-31	---	---	3.6 - 5.5	---	---	---	---
	31-35	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
CaD:								
Calvin	0-6	---	---	4.5 - 6.0	---	---	---	---
	6-21	---	---	4.5 - 6.0	---	---	---	---
	21-24	---	---	4.5 - 6.0	---	---	---	---
	24-28	---	---	---	---	---	---	---
Gilpin	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-22	---	---	3.6 - 5.5	---	---	---	---
	22-31	---	---	3.6 - 5.5	---	---	---	---
	31-35	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Fayette and Raleigh Counties, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsym	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
CaD:								
CaD3:								
Calvin	0-6	---	---	4.5 - 6.0	---	---	---	---
	6-21	---	---	4.5 - 6.0	---	---	---	---
	21-24	---	---	4.5 - 6.0	---	---	---	---
	24-28	---	---	---	---	---	---	---
Gilpin	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-22	---	---	3.6 - 5.5	---	---	---	---
	22-31	---	---	3.6 - 5.5	---	---	---	---
	31-35	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
CaE:								
Calvin	0-6	---	---	4.5 - 6.0	---	---	---	---
	6-21	---	---	4.5 - 6.0	---	---	---	---
	21-24	---	---	4.5 - 6.0	---	---	---	---
	24-28	---	---	---	---	---	---	---
Gilpin	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-22	---	---	3.6 - 5.5	---	---	---	---
	22-31	---	---	3.6 - 5.5	---	---	---	---
	31-35	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
CaE3:								
Calvin	0-6	---	---	4.5 - 6.0	---	---	---	---
	6-21	---	---	4.5 - 6.0	---	---	---	---
	21-24	---	---	4.5 - 6.0	---	---	---	---
	24-28	---	---	---	---	---	---	---
Gilpin	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-22	---	---	3.6 - 5.5	---	---	---	---
	22-31	---	---	3.6 - 5.5	---	---	---	---
	31-35	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
CaF:								
Calvin	0-6	---	---	4.5 - 6.0	---	---	---	---
	6-21	---	---	4.5 - 6.0	---	---	---	---
	21-24	---	---	4.5 - 6.0	---	---	---	---
	24-28	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Fayette and Raleigh Counties, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsym	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
CaF:								
Gilpin	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-22	---	---	3.6 - 5.5	---	---	---	---
	22-31	---	---	3.6 - 5.5	---	---	---	---
	31-35	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
CaF3:								
Calvin	0-6	---	---	4.5 - 6.0	---	---	---	---
	6-21	---	---	4.5 - 6.0	---	---	---	---
	21-24	---	---	4.5 - 6.0	---	---	---	---
	24-28	---	---	---	---	---	---	---
Gilpin	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-22	---	---	3.6 - 5.5	---	---	---	---
	22-31	---	---	3.6 - 5.5	---	---	---	---
	31-35	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
CgC:								
Calvin	0-6	---	---	4.5 - 6.0	---	---	---	---
	6-21	---	---	4.5 - 6.0	---	---	---	---
	21-24	---	---	4.5 - 6.0	---	---	---	---
	24-28	---	---	---	---	---	---	---
Gilpin	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-22	---	---	3.6 - 5.5	---	---	---	---
	22-31	---	---	3.6 - 5.5	---	---	---	---
	31-35	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
CgE:								
Calvin	0-6	---	---	4.5 - 6.0	---	---	---	---
	6-21	---	---	4.5 - 6.0	---	---	---	---
	21-24	---	---	4.5 - 6.0	---	---	---	---
	24-28	---	---	---	---	---	---	---
Gilpin	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-22	---	---	3.6 - 5.5	---	---	---	---
	22-31	---	---	3.6 - 5.5	---	---	---	---
	31-35	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
CgF:								

**Table J2. - Chemical Properties of the Soils - Continued**

Fayette and Raleigh Counties, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsym	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
CgF:								
Calvin	0-6	---	---	4.5 - 6.0	---	---	---	---
	6-21	---	---	4.5 - 6.0	---	---	---	---
	21-24	---	---	4.5 - 6.0	---	---	---	---
	24-28	---	---	---	---	---	---	---
Gilpin	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-22	---	---	3.6 - 5.5	---	---	---	---
	22-31	---	---	3.6 - 5.5	---	---	---	---
	31-35	---	---	---	---	---	---	---
Other Soils	---	---	---	---	---	---	---	---
Ch:								
Chavies	0-9	---	---	4.5 - 7.3	---	---	---	---
	9-34	---	---	4.5 - 7.3	---	---	---	---
	34-50	---	---	4.5 - 6.0	---	---	---	---
CIB:								
Clymer	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-38	---	---	3.6 - 5.5	---	---	---	---
	38-44	---	---	3.6 - 5.5	---	---	---	---
	44-48	---	---	---	---	---	---	---
Unnamed Soil	---	---	---	---	---	---	---	---
CIC:								
Clymer	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-38	---	---	3.6 - 5.5	---	---	---	---
	38-44	---	---	3.6 - 5.5	---	---	---	---
	44-48	---	---	---	---	---	---	---
CpB:								
Cookport	0-12	---	---	4.5 - 5.5	---	---	---	---
	12-20	---	---	3.6 - 5.5	---	---	---	---
	20-38	---	---	3.6 - 5.5	---	---	---	---
	38-42	---	---	3.6 - 5.5	---	---	---	---
	42-46	---	---	---	---	---	---	---
Unnamed Soil	---	---	---	---	---	---	---	---
DbB:								
Dekalb	0-8	---	---	3.6 - 6.5	---	---	---	---
	8-33	---	---	3.6 - 5.5	---	---	---	---
	33-39	---	---	3.6 - 5.5	---	---	---	---
	39-43	---	---	---	---	---	---	---
DbC:								

**Table J2. - Chemical Properties of the Soils - Continued**

Fayette and Raleigh Counties, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsym	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
DbC:								
Dekalb	0-8	---	---	3.6 - 6.5	---	---	---	---
	8-33	---	---	3.6 - 5.5	---	---	---	---
	33-39	---	---	3.6 - 5.5	---	---	---	---
	39-43	---	---	---	---	---	---	---
DcD:								
Dekalb	0-8	---	---	3.6 - 6.5	---	---	---	---
	8-33	---	---	3.6 - 5.5	---	---	---	---
	33-39	---	---	3.6 - 5.5	---	---	---	---
	39-43	---	---	---	---	---	---	---
DcE:								
Dekalb	0-8	---	---	3.6 - 6.5	---	---	---	---
	8-33	---	---	3.6 - 5.5	---	---	---	---
	33-39	---	---	3.6 - 5.5	---	---	---	---
	39-43	---	---	---	---	---	---	---
DsC:								
Dekalb	0-8	---	---	3.6 - 6.5	---	---	---	---
	8-33	---	---	3.6 - 5.5	---	---	---	---
	33-39	---	---	3.6 - 5.5	---	---	---	---
	39-43	---	---	---	---	---	---	---
Gilpin	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-22	---	---	3.6 - 5.5	---	---	---	---
	22-31	---	---	3.6 - 5.5	---	---	---	---
	31-35	---	---	---	---	---	---	---
DsE:								
Dekalb	0-8	---	---	3.6 - 6.5	---	---	---	---
	8-33	---	---	3.6 - 5.5	---	---	---	---
	33-39	---	---	3.6 - 5.5	---	---	---	---
	39-43	---	---	---	---	---	---	---
Gilpin	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-22	---	---	3.6 - 5.5	---	---	---	---
	22-31	---	---	3.6 - 5.5	---	---	---	---
	31-35	---	---	---	---	---	---	---
DsF:								
Dekalb	0-8	---	---	3.6 - 6.5	---	---	---	---
	8-33	---	---	3.6 - 5.5	---	---	---	---
	33-39	---	---	3.6 - 5.5	---	---	---	---
	39-43	---	---	---	---	---	---	---
Gilpin	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-22	---	---	3.6 - 5.5	---	---	---	---
	22-31	---	---	3.6 - 5.5	---	---	---	---
	31-35	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Fayette and Raleigh Counties, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsym	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
DsF:								
ErB:								
Ernest	0-7	---	---	4.5 - 6.0	---	---	---	---
	7-27	---	---	4.5 - 5.5	---	---	---	---
	27-47	---	---	4.5 - 5.5	---	---	---	---
	47-55	---	---	4.5 - 5.5	---	---	---	---
Lickdale	---	---	---	---	---	---	---	---
ErC:								
Ernest	0-7	---	---	4.5 - 6.0	---	---	---	---
	7-27	---	---	4.5 - 5.5	---	---	---	---
	27-47	---	---	4.5 - 5.5	---	---	---	---
	47-55	---	---	4.5 - 5.5	---	---	---	---
EsC:								
Ernest	0-7	---	---	4.5 - 6.0	---	---	---	---
	7-27	---	---	4.5 - 5.5	---	---	---	---
	27-47	---	---	4.5 - 5.5	---	---	---	---
	47-55	---	---	4.5 - 5.5	---	---	---	---
Shelocta	0-8	---	---	4.5 - 5.5	---	---	---	---
	8-44	---	---	4.5 - 5.5	---	---	---	---
	44-60	---	---	4.5 - 5.5	---	---	---	---
EsE:								
Ernest	0-7	---	---	4.5 - 6.0	---	---	---	---
	7-27	---	---	4.5 - 5.5	---	---	---	---
	27-47	---	---	4.5 - 5.5	---	---	---	---
	47-55	---	---	4.5 - 5.5	---	---	---	---
Shelocta	0-8	---	---	4.5 - 5.5	---	---	---	---
	8-44	---	---	4.5 - 5.5	---	---	---	---
	44-60	---	---	4.5 - 5.5	---	---	---	---
GIB:								
Gilpin	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-22	---	---	3.6 - 5.5	---	---	---	---
	22-31	---	---	3.6 - 5.5	---	---	---	---
	31-35	---	---	---	---	---	---	---
GIC:								
Gilpin	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-22	---	---	3.6 - 5.5	---	---	---	---
	22-31	---	---	3.6 - 5.5	---	---	---	---
	31-35	---	---	---	---	---	---	---

GIC3:

**Table J2. - Chemical Properties of the Soils - Continued**

Fayette and Raleigh Counties, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsym	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
GIC3: Gilpin	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-22	---	---	3.6 - 5.5	---	---	---	---
	22-31	---	---	3.6 - 5.5	---	---	---	---
	31-35	---	---	---	---	---	---	---
GID: Gilpin	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-22	---	---	3.6 - 5.5	---	---	---	---
	22-31	---	---	3.6 - 5.5	---	---	---	---
	31-35	---	---	---	---	---	---	---
GID3: Gilpin	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-22	---	---	3.6 - 5.5	---	---	---	---
	22-31	---	---	3.6 - 5.5	---	---	---	---
	31-35	---	---	---	---	---	---	---
GIE: Gilpin	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-22	---	---	3.6 - 5.5	---	---	---	---
	22-31	---	---	3.6 - 5.5	---	---	---	---
	31-35	---	---	---	---	---	---	---
GIE3: Gilpin	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-22	---	---	3.6 - 5.5	---	---	---	---
	22-31	---	---	3.6 - 5.5	---	---	---	---
	31-35	---	---	---	---	---	---	---
GIF: Gilpin	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-22	---	---	3.6 - 5.5	---	---	---	---
	22-31	---	---	3.6 - 5.5	---	---	---	---
	31-35	---	---	---	---	---	---	---
GIF3: Gilpin	0-8	---	---	3.6 - 5.5	---	---	---	---
	8-22	---	---	3.6 - 5.5	---	---	---	---
	22-31	---	---	3.6 - 5.5	---	---	---	---
	31-35	---	---	---	---	---	---	---
Gr: Fluvents	0-6	---	---	3.6 - 7.3	---	---	---	---
	6-42	---	---	3.6 - 7.3	---	---	---	---
	42-60	---	---	4.5 - 6.5	---	---	---	---
La: Landes	0-11	---	---	6.1 - 8.4	---	---	---	---
	11-60	---	---	6.1 - 8.4	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Fayette and Raleigh Counties, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
La:								
Atkins	---	---	---	---	---	---	---	---
Lc:								
Lickdale	0-10	---	---	4.0 - 5.5	---	---	---	---
	10-40	---	---	4.0 - 5.5	---	---	---	---
	40-60	---	---	4.0 - 5.0	---	---	---	---
Ma:								
Udorthents,dumps,low	0-6	---	---	---	---	---	---	---
	6-60	---	---	---	---	---	---	---
McB:								
Meckesville	0-4	---	---	3.6 - 5.5	---	---	---	---
	4-38	---	---	3.6 - 5.5	---	---	---	---
	38-62	---	---	3.6 - 5.5	---	---	---	---
	62-70	---	---	3.6 - 5.5	---	---	---	---
Atkins	---	---	---	---	---	---	---	---
McC:								
Meckesville	0-4	---	---	3.6 - 5.5	---	---	---	---
	4-38	---	---	3.6 - 5.5	---	---	---	---
	38-62	---	---	3.6 - 5.5	---	---	---	---
	62-70	---	---	3.6 - 5.5	---	---	---	---
MdC:								
Meckesville	0-4	---	---	3.6 - 5.5	---	---	---	---
	4-38	---	---	3.6 - 5.5	---	---	---	---
	38-62	---	---	3.6 - 5.5	---	---	---	---
	62-70	---	---	3.6 - 5.5	---	---	---	---
MdE:								
Meckesville	0-4	---	---	3.6 - 5.5	---	---	---	---
	4-38	---	---	3.6 - 5.5	---	---	---	---
	38-62	---	---	3.6 - 5.5	---	---	---	---
	62-70	---	---	3.6 - 5.5	---	---	---	---
Me:								
Udorthents,dumps,low	0-6	---	---	---	---	---	---	---
	6-60	---	---	---	---	---	---	---
MgA:								
Monongahela	0-13	---	---	4.5 - 5.5	---	---	---	---
	13-28	---	---	4.5 - 5.5	---	---	---	---
	28-56	---	---	4.5 - 5.5	---	---	---	---
MgB:								



**Table J2. - Chemical Properties of the Soils - Continued**

Fayette and Raleigh Counties, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
MgB:								
Monongahela	0-13	---	---	4.5 - 5.5	---	---	---	---
	13-28	---	---	4.5 - 5.5	---	---	---	---
	28-56	---	---	4.5 - 5.5	---	---	---	---
MkC:								
Muskingum	0-11	---	---	4.5 - 6.0	---	---	---	---
	11-32	---	---	4.5 - 5.5	---	---	---	---
	32-35	---	---	4.5 - 5.5	---	---	---	---
	35-39	---	---	---	---	---	---	---
MkC3:								
Muskingum	0-11	---	---	4.5 - 6.0	---	---	---	---
	11-32	---	---	4.5 - 5.5	---	---	---	---
	32-35	---	---	4.5 - 5.5	---	---	---	---
	35-39	---	---	---	---	---	---	---
MkD:								
Muskingum	0-11	---	---	4.5 - 6.0	---	---	---	---
	11-32	---	---	4.5 - 5.5	---	---	---	---
	32-35	---	---	4.5 - 5.5	---	---	---	---
	35-39	---	---	---	---	---	---	---
MkD3:								
Muskingum	0-11	---	---	4.5 - 6.0	---	---	---	---
	11-32	---	---	4.5 - 5.5	---	---	---	---
	32-35	---	---	4.5 - 5.5	---	---	---	---
	35-39	---	---	---	---	---	---	---
MkE:								
Muskingum	0-11	---	---	4.5 - 6.0	---	---	---	---
	11-32	---	---	4.5 - 5.5	---	---	---	---
	32-35	---	---	4.5 - 5.5	---	---	---	---
	35-39	---	---	---	---	---	---	---
MkE3:								
Muskingum	0-11	---	---	4.5 - 6.0	---	---	---	---
	11-32	---	---	4.5 - 5.5	---	---	---	---
	32-35	---	---	4.5 - 5.5	---	---	---	---
	35-39	---	---	---	---	---	---	---
MkF:								
Muskingum	0-11	---	---	4.5 - 6.0	---	---	---	---
	11-32	---	---	4.5 - 5.5	---	---	---	---
	32-35	---	---	4.5 - 5.5	---	---	---	---
	35-39	---	---	---	---	---	---	---
MnE:								

**Table J2. - Chemical Properties of the Soils - Continued**

Fayette and Raleigh Counties, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
MnE:								
Muskingum	0-11	---	---	4.5 - 6.0	---	---	---	---
	11-32	---	---	4.5 - 5.5	---	---	---	---
	32-35	---	---	4.5 - 5.5	---	---	---	---
	35-39	---	---	---	---	---	---	---
MnF:								
Muskingum	0-11	---	---	4.5 - 6.0	---	---	---	---
	11-32	---	---	4.5 - 5.5	---	---	---	---
	32-35	---	---	4.5 - 5.5	---	---	---	---
	35-39	---	---	---	---	---	---	---
Ph:								
Philo	0-10	---	---	4.5 - 6.0	---	---	---	---
	10-50	---	---	4.5 - 6.0	---	---	---	---
Atkins	---	---	---	---	---	---	---	---
Po:								
Pope	0-7	---	---	3.6 - 5.5	---	---	---	---
	7-32	---	---	3.6 - 5.5	---	---	---	---
	32-50	---	---	3.6 - 5.5	---	---	---	---
Atkins	---	---	---	---	---	---	---	---
RaB:								
Rayne	0-10	---	---	4.5 - 5.5	---	---	---	---
	10-33	---	---	4.5 - 5.5	---	---	---	---
	33-45	---	---	4.5 - 5.5	---	---	---	---
	45-49	---	---	---	---	---	---	---
RaC:								
Rayne	0-10	---	---	4.5 - 5.5	---	---	---	---
	10-33	---	---	4.5 - 5.5	---	---	---	---
	33-45	---	---	4.5 - 5.5	---	---	---	---
	45-49	---	---	---	---	---	---	---
ShC:								
Shelocta	0-8	---	---	4.5 - 5.5	---	---	---	---
	8-44	---	---	4.5 - 5.5	---	---	---	---
	44-60	---	---	4.5 - 5.5	---	---	---	---
ShD:								
Shelocta	0-8	---	---	4.5 - 5.5	---	---	---	---
	8-44	---	---	4.5 - 5.5	---	---	---	---
	44-60	---	---	4.5 - 5.5	---	---	---	---
ShE:								

**Table J2. - Chemical Properties of the Soils - Continued**

Fayette and Raleigh Counties, West Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbonate Exchange	Gypsum	Salinity	Sodium Adsorption Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
Shelocta	0-8	---	---	4.5 - 5.5	---	---	---	---
	8-44	---	---	4.5 - 5.5	---	---	---	---
	44-60	---	---	4.5 - 5.5	---	---	---	---
Sr: Rock Outcrop,hard	0-60	---	---	---	---	---	---	---
St: Udorthents,mudstone,	0-6	---	---	3.6 - 7.3	---	---	---	---
	6-60	---	---	3.6 - 7.3	---	---	---	---
SuB: Summers	0-14	---	---	4.5 - 5.5	---	---	---	---
	14-22	---	---	4.5 - 5.5	---	---	---	---
	22-33	---	---	4.5 - 5.5	---	---	---	---
	33-37	---	---	---	---	---	---	---
U: Urban Areas	---	---	---	---	---	---	---	---
w: Water	---	---	---	---	---	---	---	---
WhB: Wharton	0-9	---	---	4.0 - 5.5	---	---	---	---
	9-42	---	---	4.0 - 5.5	---	---	---	---
	42-60	---	---	4.0 - 5.5	---	---	---	---
WhC: Wharton	0-9	---	---	4.0 - 5.5	---	---	---	---
	9-42	---	---	4.0 - 5.5	---	---	---	---
	42-60	---	---	4.0 - 5.5	---	---	---	---
WhC3: Wharton	0-9	---	---	4.0 - 5.5	---	---	---	---
	9-42	---	---	4.0 - 5.5	---	---	---	---
	42-60	---	---	4.0 - 5.5	---	---	---	---